

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **August 16, 2010**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **Steelseal®**

PRODUCT USE: Oil-well drilling fluid additive
CHEMICAL FAMILY: Synthetic graphite (carbon) CAS #: **7785-42-5**

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled
WORKPLACE HAZARD: Treat as a nuisance dust

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not regulated under TDG
TDG CLASSIFICATION: Not applicable
UN NUMBER (PIN): Not applicable
PACKING GROUP: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>% (w/w)</u>	<u>CAS NUMBER</u>	<u>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
-------------------	----------------	-------------------	--------------------------------	---------------------------------	------------------

This product contains no WHMIS controlled ingredients.

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [XX] INHALATION [XX] INGESTION
EYE CONTACT: May cause mechanical irritation and/or damage.
SKIN CONTACT: No effects expected.
INGESTION: No effects expected.
INHALATION: May result in irritation of mucous membranes. Long-term inhalation may result in pneumoconiosis, a lung disease caused by inhaling dust particles less than 0.5 micrometres into lungs.
CARCINOGENICITY: Not listed by NTP, IARC or OSHA.
TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: No information available.
 SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash exposed skin thoroughly with soap and water. If irritation develops and persists consult a physician.

EYE CONTACT: Immediately flush with gently flowing warm water until particle(s) are removed and irritation ceases. If irritation persists obtain medical attention.

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Gray powder; odourless	
SPECIFIC GRAVITY:	1.75	
BOILING POINT (°C):	4200	
MELTING POINT (°C):	2011	
SOLUBILITY IN WATER:	Insoluble	pH: Not applicable
PERCENT VOLATILE BY VOLUME:	Not determined	
EVAPORATION RATE:	Not determined	
VAPOUR PRESSURE (mmHg):	1 (@ 20°C)	
VAPOUR DENSITY (air = 1):	0.4	
BULK DENSITY:	Not determined	

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	>356°C
FLAMMABLE LIMITS:	Lower = 0.07-0.12 oz/ft ³
EXTINGUISHING MEDIA:	Water, water fog, chemical, CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong acids and alkalies.	
CONDITIONS OF REACTIVITY:	No information available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon on combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

SECTION VIII: PREVENTATIVE MEASURES**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Suggest dust mask; nuisance dust. Use an approved respirator with dust cartridges if TLV is exceeded.
VENTILATION:	General mechanical sufficient for normal conditions of use.
PROTECTIVE GLOVES:	Suggest gloves to protect skin from repeated exposure.
EYE PROTECTION:	Suggest goggles.
OTHER PROTECTIVE EQUIPMENT (Specify):	Suggest long sleeved shirt and trousers to protect from exposure to dust. Ensure eye wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly after handling. Wear protective equipment and/or garments. Launder contaminated clothing before reuse. Store in original container in a cool, dry area away from incompatible materials.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Use appropriate safety equipment. Evacuate area of all unnecessary personnel. Contain spill. Sweep up and collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.

WASTE DISPOSAL METHOD

Dispose of in accordance with federal, provincial and local regulations. This product can be land-filled in most locations. Check with local operator. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED: August 16, 2010 BY: Product safety committee
SUPERSEDES: January 14, 2008 PHONE: 780-440-4923

**Diversity Technologies Corp. is the parent company of
Canamara-United Supply, Hollimex Products, The Drilling Depot and
Westcoast Drilling Supplies.**